

Wipe Out Windshield Wiper Blues

Servicing the windshield wiper converter on UH-1 and UH-60 helicopters is a chore. You have to take apart the whole wiper converter to do it. That's why many of you put off the service until the helicopter goes into phase maintenance.

Don't wait. A delay could cause problems when the wipers are not used for long periods of time. The longer the delay in using the wipers, the greater the potential that the grease will harden and freeze the converter gears. That would lead to burned out wiper motors in both aircraft—and broken flex shafts in the UH-60.

The Aviation and Missile Command (AMCOM) has approved a unit-level modification that turns the wiper service into a semiannual lube service. With your general aircraft mechanic's toolbox in hand and ready access to the AVUM Shop Set No. 2, here's what to do:

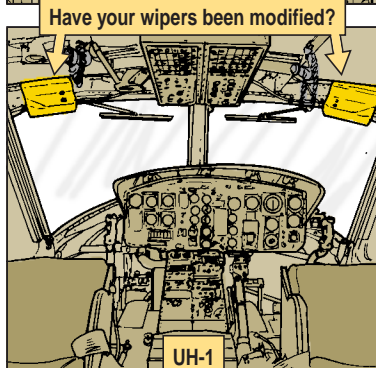
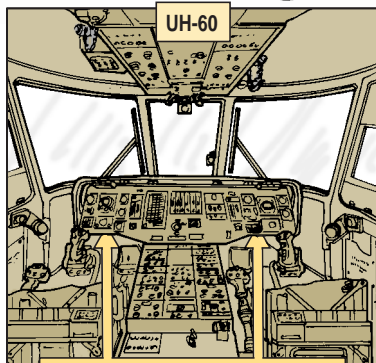
1. Disassemble the windshield wiper converter per Para 12-13 of TM 55-1520-210-23-2 (Sep 87), for the UH-1, or Para 12-4-36 of TM 1-1520-237-23-7 (May 98) for the UH-60.

2. Clean out the grease and inspect the wiper gears for cracks, chips or missing teeth. Replace gears that are damaged.

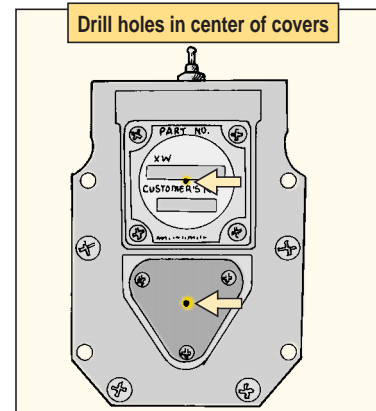
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3. Once the converter is cleaned and the gears either pass inspection or are replaced, drill holes in the center of the converter nameplate and idler cover plate using a number 59 drill bit. This lets the air out and allows the grease to completely cover the gears.

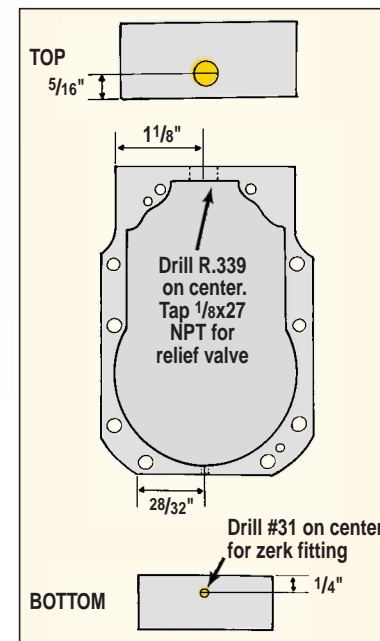


4. Drill a third hole in the top center of the converter body using drill bit size R .339.

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5. Make threads for the relief valve, NSN 4820-00-826-6465, using a 1/8 x 27 NPT tap.

6. Install the relief valve.



7. Drill a fourth hole in the bottom center of the converter body with a number 31 drill bit. Then, press the grease fitting, NSN 4730-01-077-4893, into place.

8. Reassemble and reinstall the windshield wiper converter assembly.

9. Lube the converter using aircraft grease, NSN 9150-00-944-8953, until new grease comes out of the relief valve. Be sure to wipe off the excess grease. Do this lube service semi-annually.

Keep this procedure handy until you see it in the tech manuals.

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